



# Samsung Galaxy S6 Edge Earpiece Assembly Replacement

Replace the earpiece assembly on the Galaxy S6 Edge. This assembly connects the earpiece as well as the proximity and gesture sensors.

Written By: Sam Lionheart



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## INTRODUCTION

This guide will demonstrate the necessary procedure to replace the earpiece assembly, including the earpiece speaker, proximity and gesture sensors, in the Samsung Galaxy S6 Edge.

This guide involves removing the rear glass. Removing the rear glass destroys the adhesive holding it in place. Follow [this guide](#) to reinstall the rear glass.



### TOOLS:

- [SIM Card Eject Tool](#) (1)
  - [Heavy-Duty Suction Cups \(Pair\)](#) (1)
  - [iFixit Opening Picks set of 6](#) (1)
  - [iOpener](#) (1)
  - [Phillips #00 Screwdriver](#) (1)
  - [Precision Tweezers Set](#) (1)
  - [Spudger](#) (1)
  - [iFixit Opening Tools](#) (1)
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## Step 1 — SIM Tray



- Insert a paper clip or SIM eject tool into the hole in the SIM card slot on the power button side of the phone.
  - ⚠ Do not insert the tool into the microphone hole or you could cause damage. Look for the outline of the SIM tray.
- Press to eject the SIM card tray.
- Remove the SIM card tray from the phone.

## Step 2 — iOpener Heating



- ⓘ We recommend that you clean your microwave before proceeding, as any nasty gunk on the bottom may end up stuck to the iOpener.
- Place the iOpener in the center of the microwave.
- ⚠ For carousel microwaves: Make sure the plate spins freely. If your iOpener gets stuck, it may overheat and burn.

## Step 3



- Heat the iOpener for **thirty seconds**.
- Throughout the repair procedure, as the iOpener cools, reheat it in the microwave for an additional thirty seconds at a time.

- ⚠ Be careful not to overheat the iOpener during the repair. Overheating may cause the iOpener to burst.
- ⚠ Never touch the iOpener if it appears swollen.
- ⚠ If the iOpener is still too hot in the middle to touch, continue using it while waiting for it to cool down some more before reheating. A properly heated iOpener should stay warm for up to 10 minutes.





## Step 4



- Remove the iOpener from the microwave, holding it by one of the two flat ends to avoid the hot center.
- ⚠ The iOpener will be very hot, so be careful when handling it. Use an oven mitt if necessary.

## Step 5 — Rear Glass



-  Place the phone facedown.
-  If your glass is shattered, put packing tape over the entire panel to hold it together during the removal process.
- Lay the iOpener over the panel for about 60 seconds to loosen the adhesive around the edge of the glass.
- Shift the iOpener to heat the remaining section of the panel for another 60 seconds.

## Step 6



- Attach a heavy-duty suction cup to the lower half of the rear glass panel.
- Secure the suction cup by raising the hinged handle and flipping the latch to clamp both handles in place.

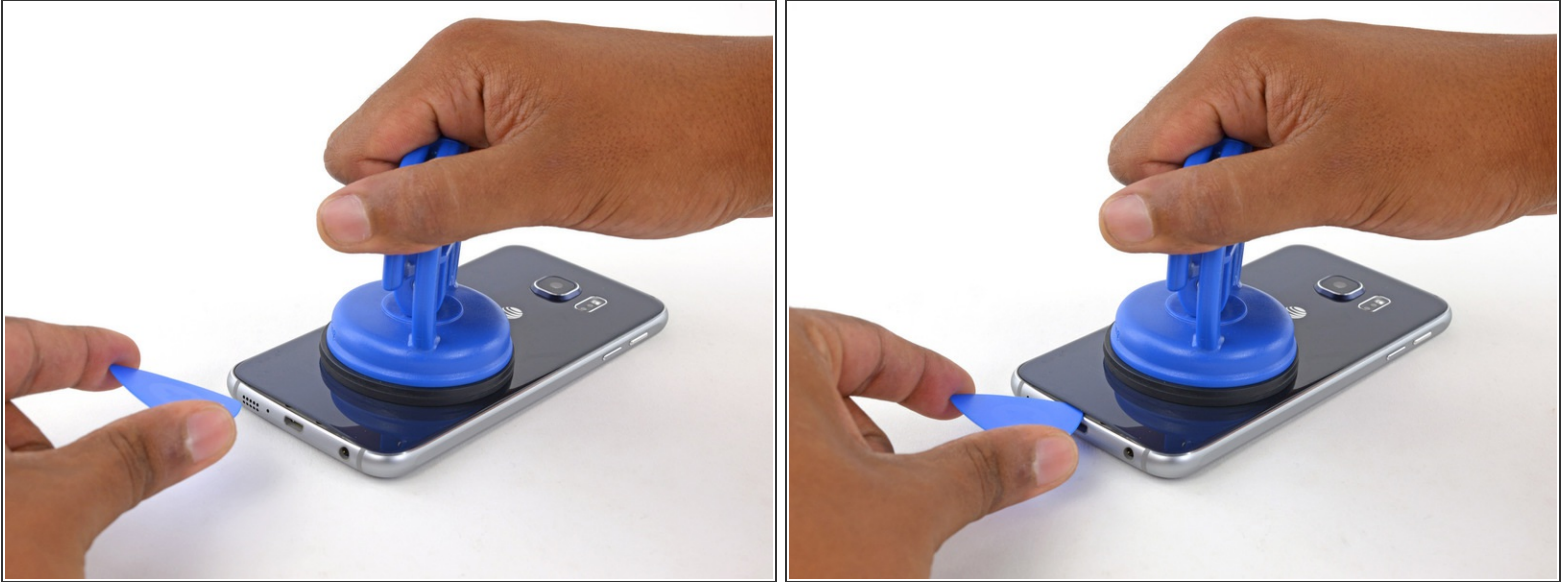
## Step 7



- ⓘ The following steps involve using an opening pick to separate the rear panel from the midframe. If the adhesive is too strong, reapply heat with the iOpener.
- Using the suction cup, apply pressure to the middle section of the panel while pulling up the lower edge by pivoting your wrist.



## Step 8



- Once you've opened a large enough gap, insert an opening pick between the rear glass and the midframe.

## Step 9



- Slide the opening pick around the bottom left corner of the rear glass panel.

## Step 10



- Slide the pick along the power button side of the phone.

## Step 11



- Slide the opening pick across the top of the phone.

## Step 12



- Slide the opening pick down along the volume buttons side of the phone.

## Step 13



- Pull up on the rear glass panel while holding down the midframe to separate the components.
  - ❗ If you encounter too much resistance from the adhesive, slide the opening pick under the glass a few more times.



## Step 14



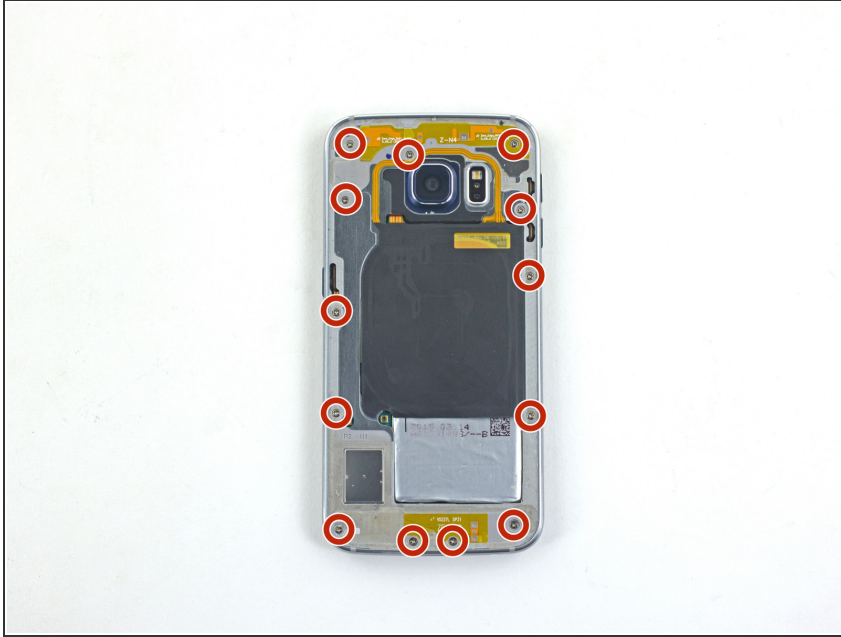
- Insert an opening pick between the rear panel and the midframe.
- Slide the pick along the top of the phone to loosen the remaining adhesive.
- Twist the pick to separate the two pieces.

## Step 15



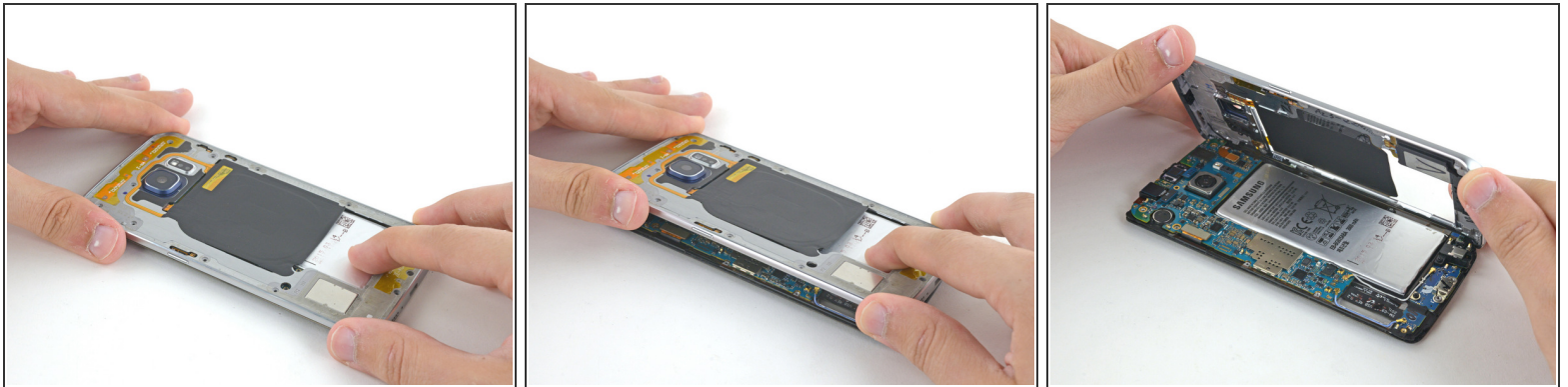
- i** At this point, the rear glass panel should be fully separated from the body of the phone, although the adhesive strip may be attached to both sides.
- Pull the rear panel up and away to completely separate it.
- ★** Follow [this guide](#) to reinstall the rear glass.

## Step 16 — Midframe Assembly



- Remove the thirteen 3.3 mm Phillips #00 screws from the midframe.

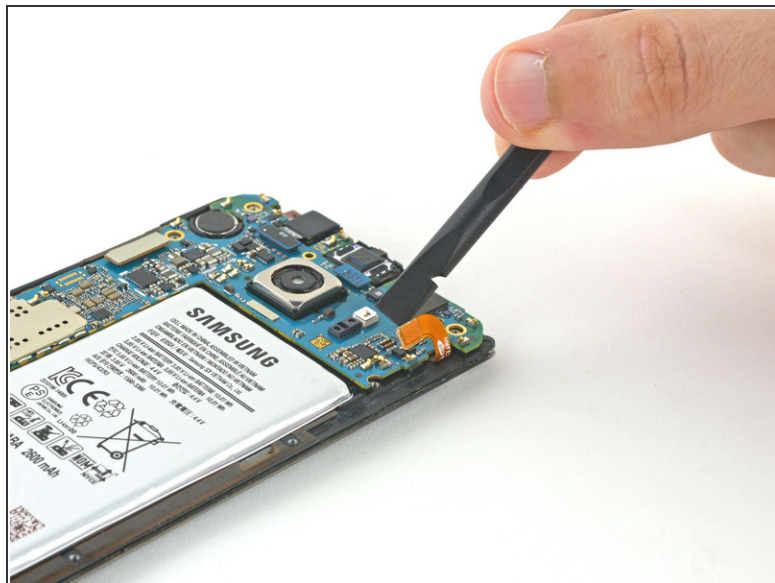
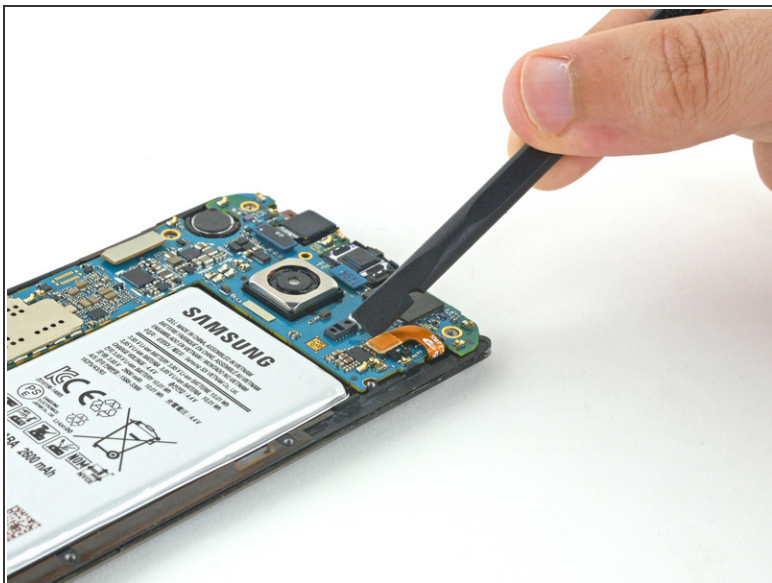
## Step 17



- Press down on the back of the battery and lift up on the edges of the midframe to separate it from the rest of the phone.

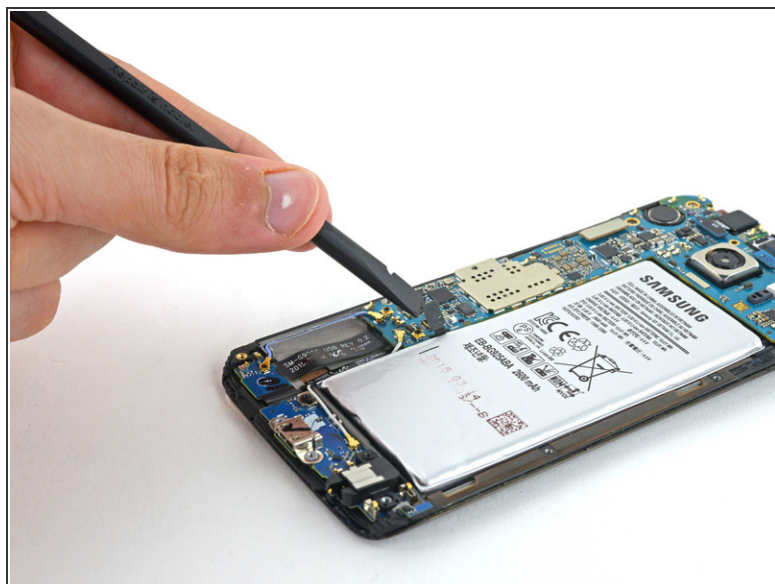
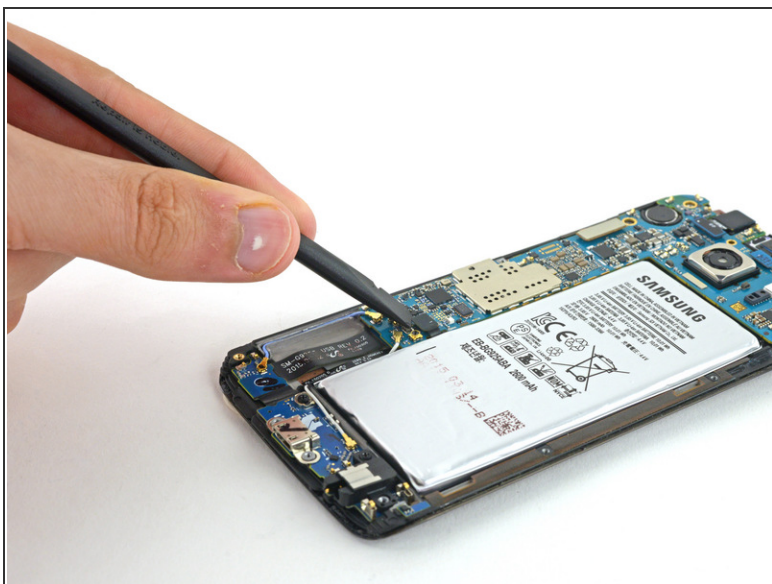


## Step 18 — Motherboard Removal



- Using the flat end of the spudger, disconnect the battery ribbon cable from the motherboard.

## Step 19



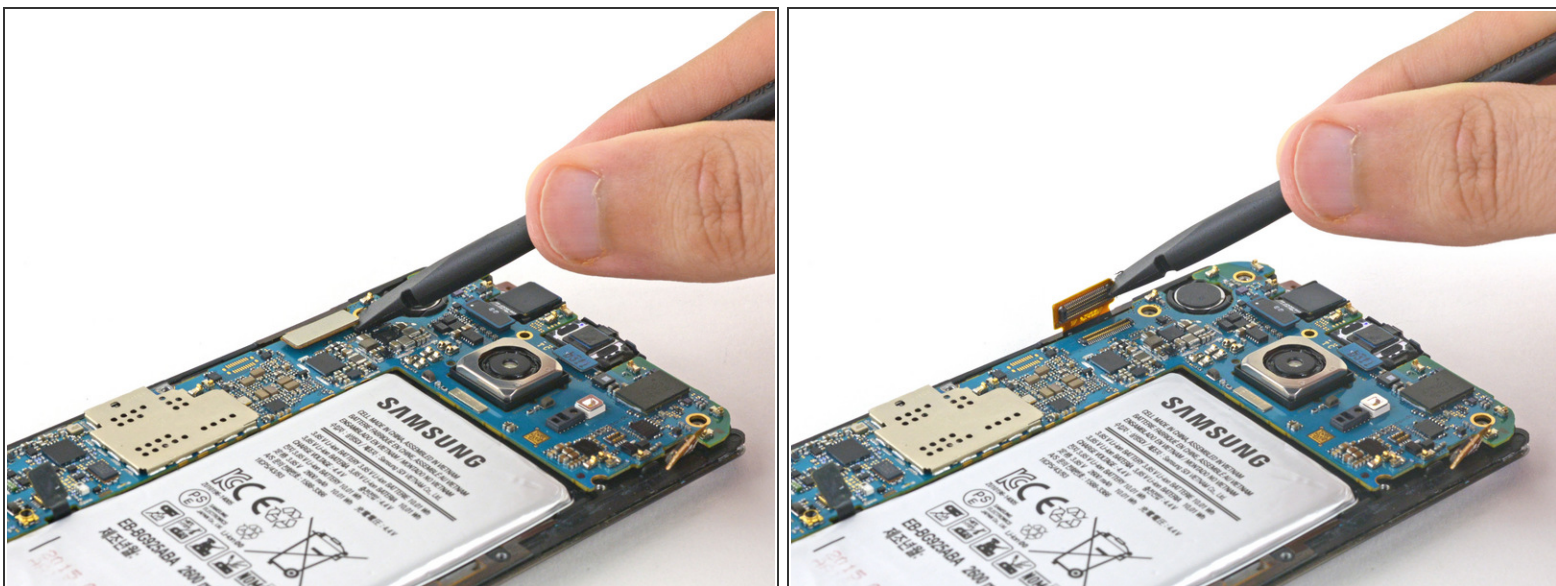
- Disconnect the home button ribbon cable from the motherboard.

## Step 20



- Use the pointed end of a spudger to disconnect the two antenna interconnect cables from the motherboard.

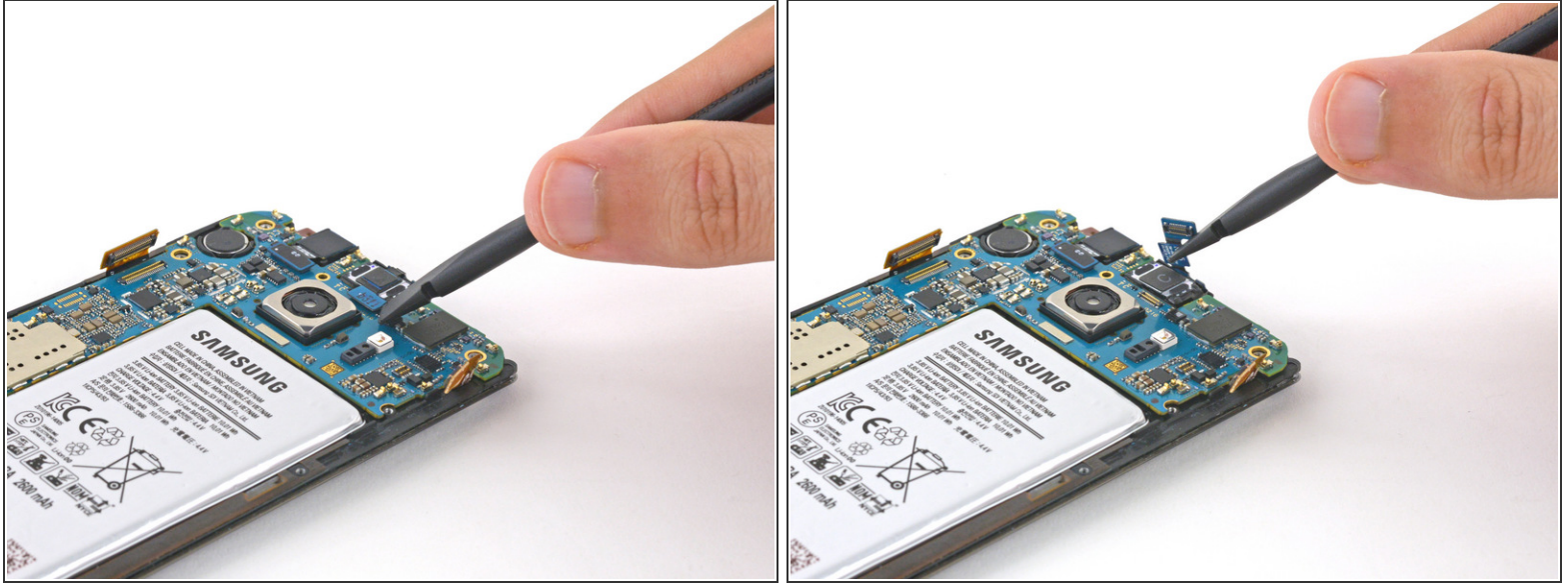
## Step 21



- Disconnect the display ribbon cable from the motherboard using the flat end of the spudger.

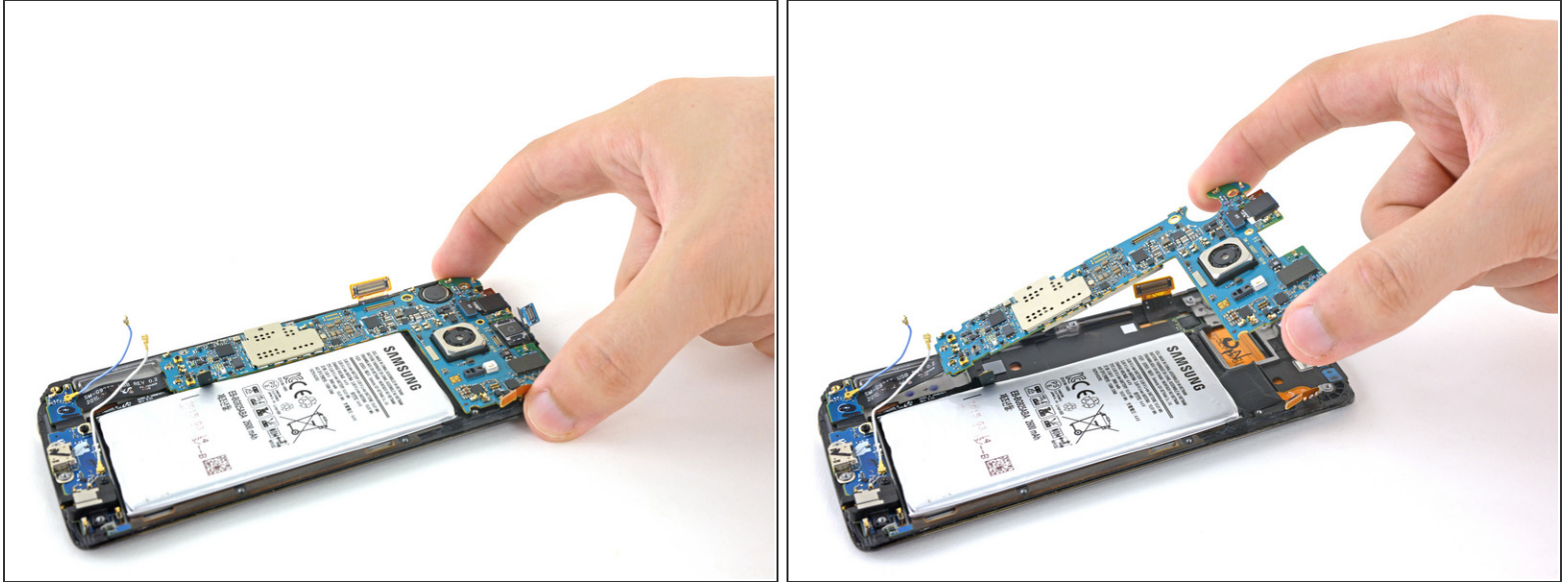


## Step 22



- Disconnect the earpiece ribbon cable from the motherboard.

## Step 23



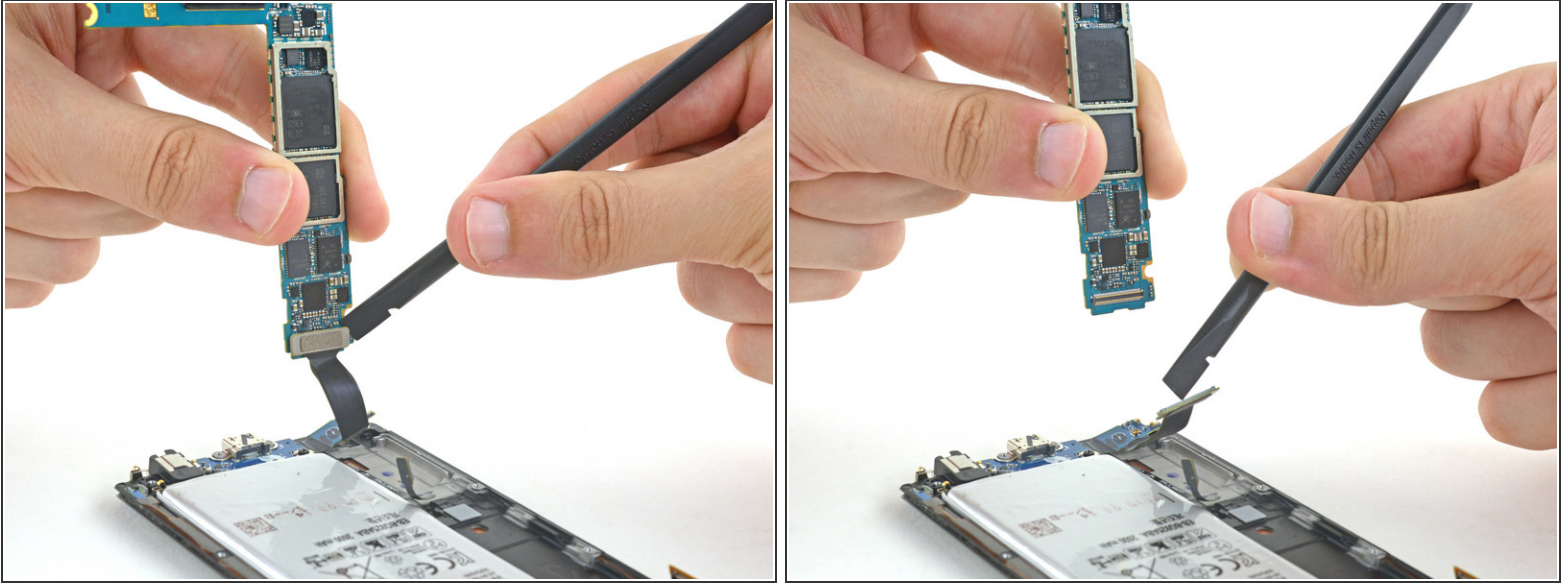
⚠ The motherboard is an ESD sensitive component and should be handled with care. iFixit recommends using a anti-static bracelet whenever handling components of this nature to avoid damage.

- Grip the motherboard on both edges toward the top of the device.

⚠ Do not lift the motherboard all the way out in this step; the ribbon cable on the underside needs to be disconnected first.

- Lift the motherboard up and away from the display, taking care not to put too much stress on the daughterboard ribbon cable.

## Step 24




- Disconnect the daughterboard ribbon cable from the underside of the motherboard.

## Step 25 — Earpiece Assembly



- Lift the earpiece assembly board from its routing channel above the earpiece speaker.

 Do not attempt to remove the board, it is attached to the earpiece speaker assembly.



## Step 26



- Remove the EMI shield that covers the proximity and gesture sensors.

## Step 27



- Pull the earpiece speaker assembly out of the phone, taking care not to strain any cables.

To reassemble your device, follow these instructions in reverse order. Follow [this guide](#) to reinstall the rear glass.

